3RK1308-0CC00-0CP0

Data sheet



Fail-safe direct-on-line starter High Feature; Electronic switching; Electronic overload protection up to 1.1 kW / 400 V; Adjustment range 0.9 .. 3 A; PROFlenergy; Option: 3DI/LC module

product category product designation product type designation Direct-on-line starter product type designation Direct-on-line starter ET 200SP Concrait technical data equipment variant according to IEC 60947-4-2 3 product function • on-site operation • on-site operation • intrinsic device protection • remote firmware update • for power supply reverse polarity protection • at AC in hot operating state per pole insulation voltage rated value degree of pollution 2 overvoltage category surge voltage resistance rated value • between main and auxiliary circuit shock resistance • between main and auxiliary circuit short resistance operating frequency maximum 11/8 shock resistance operating frequency maximum 11/8 mechanical service life (operating cycles) of the main contacts typical tutilization category • according to IEC 60947-4-2 AC-53a: 3 A: (8-0.7: 70-32) reference code according to IEC 81346-2 Quue substance Prohibitance (Date) • direct start • reverse starting Weight Product function • direct start • reverse starting No product function short-circuit protection fuse maximum short-circuit current breaking capacity (Icu) maximum short-circuit current breaking capacity (Icu) maximum short-circuit protection fuse maximum short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)		0.044.710
product type designation ET 200SP General technical data equipment variant according to IEC 60947-4-2 3 product function Fall-safe direct-on-line starter equipment variant according to IEC 60947-4-2 3 product function Fall-safe direct-on-line starter • on-site operation Yes • remote firmware update Yes • for power supply reverse polarity protection Yes power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • surge voltage resistance rated value degree of pollution	product brand name	SIMATIC
product type designation ET 200SP General technical data equipment variant according to IEC 60947-4-2 product function Fail-safe direct-on-line starter equipment variant according to IEC 60947-4-2 product function Yes intrinsic device protection Yes for power supply reverse polarity protection Yes for power supply reverse polarity protection Yes for power supply reverse polarity protection Yes power loss [W] for rated value of the current at A C in hot operating state per pole 0.2 W Insulation voltage rated value 500 V degree of pollution 2 overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation between main and auxillary circuit 500 V consumed current maximum shock resistance 6g/11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/8 mechanical service life (operating cycles) of the main contacts ypical type of assignment 1 utilization category according to IEC 60947-4-2 reference code according to IEC 61346-2 Q Substance Prohibitance (Date) 04/15/2016 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 0.554 kg product function viewed start Yes reverse starting No product function short-circuit protection Yes design of short-circuit protection fuse meximum short-circuit protection fuse meximum short-circuit protection fuse meximum short-circuit protection fuse meximum short-circuit protection fuse		
quipment variant according to IEC 60947-4-2 product function on-site operation intrinsic device protection intrinsic device direct start intrinsic device protection intrinsic device device device on the start intrinsic device protection intrinsic device device device protection intrinsic device protection intrinsic protection intrinsic device device protection intrinsic protection intrinsic device protection intrinsic protection intrinsic device protection intrinsic protection intrinsic protection intrinsic protect		
equipment variant according to IEC 60947-4-2 product function • on-site operation • on-site operation • intrinsic device protection • fee for power supply reverse polarity protection • for power supply reverse polarity protection • at AC in not operating state per pole • remote firmware update • at AC in not operating state per pole • at AC in not operating state per pole • insulation voltage rated value • for power loss [W] for for power loss [W		ET 200SP
product function • on-site operation • on-site operation • intrinsic device protection • remote firmware update • for power supply reverse polarity protection • at AC in hot operating state per pole • at AC in hot operating state per pole overvoltage category surge voltage resistance rated value • between main and auxiliary circuit obstack resistance • between main and auxiliary circuit shock resistance • operating frequency maximum type of assignment utilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Quustance Prohibitance (Date) SVHC substance name uelaging for quency maximum 4 (BC 00000000000000000000000000000000000	General technical data	
on-site operation intrinsic device protection remote firmware update for power supply reverse polarity protection ves intrinsic device protection remote firmware update for power supply reverse polarity protection ves power loss [W] for rated value of the current at AC in hot operating state per pole insulation voltage rated value degree of pollution 2 overvoltage category ill surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation between main and auxiliary circuit 500 V consumed current maximum 410 mA shock resistance 6g / 11 ms vibration resistance fof mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts plypical type of assignment utilization category according to IEC 60947-4-2 reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHG substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight reverse starting No product function e direct start	equipment variant according to IEC 60947-4-2	3
intrinsic device protection remote firmware update for power supply reverse polarity protection power loss [W] for rated value of the current at AC in hot operating state per pole insulation voltage rated value degree of pollution covervoltage category III surge voltage resistance rated value for kV maximum permissible voltage for protective separation between main and auxiliary circuit consumed current maximum shock resistance for protective separation porating frequency maximum 11 //s mechanical service life (operating cycles) of the main contacts typical type of assignment 11 //s witrization category according to IEC 60947-4-2 reference code according to IEC 81346-2 Substance Prohibitance (Date) Weight product function eliect start reverse starting product component motor brake output No product function short circuit protection design of short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)	product function	Fail-safe direct-on-line starter
• remote firmware update • for power supply reverse polarity protection power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole insulation voltage rated value 500 V degree of pollution overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit consumed current maximum 500 V consumed current maximum shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 1 1/s mechanical service life (operating cycles) of the main contacts lypical typical typical vilization category • according to IEC 60947-4-2 AC-5a: 3 A: (8-0,7: 70-32) reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight O.554 kg product function • direct start ves reverse starting No product component motor brake output No product function short circuit protection design of short-circuit protection design of short-circuit protection design of short-circuit current breaking capacity (Icu)	on-site operation	Yes
• for power supply reverse polarity protection power loss [W] for rated value of the current • at AC in hot operating state per pole 0.2 W insulation voltage rated value 500 V degree of pollution 2 overvoltage category ill surge voltage resistance rated value • between main and auxiliary circuit consumed current maximum • between main and auxiliary circuit 500 V consumed current maximum 140 mA shock resistance • 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 utilization category • according to IEC 60947-4-2 reference code according to IEC 60947-4-2 reference code according to IEC 60947-4-2 RC-53a: 3 A: (8-0,7: 70-32) reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Velight 0.554 kg product function • direct start • reverse starting product component motor brake output No product function short circuit protection fuse maximum short-circuit current breaking capacity (Icu)	 intrinsic device protection 	Yes
power loss [W] for rated value of the current * at AC in hot operating state per pole insulation voltage rated value degree of pollution 2 overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation * between main and auxiliary circuit consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 11 utilization category * according to IEC 80347-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 3VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight * reverse starting product function direct start * reverse starting product component motor brake output No product function short circuit protection design of short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)	 remote firmware update 	Yes
at AC in hot operating state per pole insulation voltage rated value degree of pollution 2 overvoltage category ill surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 tutilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Quubstance Prohibitance (Date) 3VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product function short circuit protection design of short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)	 for power supply reverse polarity protection 	Yes
insulation voltage rated value degree of pollution 2 overvoltage category III surge voltage resistance rated value • between main and auxiliary circuit consumed current maximum • between main and auxiliary circuit shock resistance (bg / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical typical typical titilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output No product function short circuit protection design of short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)	power loss [W] for rated value of the current	
degree of pollution 2 overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical 11/s typical 11/s typical 2 AC-53a: 3 A: (8-0,7: 70-32) reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 04/15/2016 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 0.554 kg product function • direct start Yes • reverse starting No product function short circuit protection fuse maximum short-circuit current breaking capacity (Icu)	 at AC in hot operating state per pole 	0.2 W
overvoltage category surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 tutilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Qusbstance Prohibitance (Date) VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output product function short circuit protection fuse maximum short-circuit current breaking capacity (Icu)	insulation voltage rated value	500 V
surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 11 utilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) 3VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output product function short circuit protection fuse maximum short-circuit current breaking capacity (Icu)	degree of pollution	2
maximum permissible voltage for protective separation ● between main and auxiliary circuit consumed current maximum 140 mA shock resistance 6g / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 utilization category ● according to IEC 60947-4-2 reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function ● direct start ● reverse starting No product component motor brake output No product function short circuit protection fuse maximum short-circuit current breaking capacity (Icu)	overvoltage category	III
between main and auxiliary circuit consumed current maximum shock resistance is g / 11 ms vibration resistance operating frequency maximum mechanical service life (operating cycles) of the main contacts typical type of assignment it lilization category	surge voltage resistance rated value	6 kV
consumed current maximum shock resistance feg / 11 ms vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 tutilization category according to IEC 60947-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function direct start reverse starting No product component motor brake output No product function short circuit protection design of short-circuit current breaking capacity (Icu)	maximum permissible voltage for protective separation	
shock resistance vibration resistance 15 mm to 6 Hz; 2g to 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 tilization category according to IEC 60947-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function direct start reverse starting No product component motor brake output No product function short circuit protection design of short-circuit current breaking capacity (Icu)	 between main and auxiliary circuit 	500 V
vibration resistance operating frequency maximum 1 1/s mechanical service life (operating cycles) of the main contacts typical type of assignment 1 1 utilization category • according to IEC 60947-4-2 AC-53a: 3 A: (8-0,7: 70-32) reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	consumed current maximum	140 mA
operating frequency maximum mechanical service life (operating cycles) of the main contacts typical type of assignment utilization category according to IEC 60947-4-2 reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function direct start reverse starting product component motor brake output product function short circuit protection product function short-circuit protection design of short-circuit current breaking capacity (Icu)	shock resistance	6g / 11 ms
mechanical service life (operating cycles) of the main contacts typical type of assignment utilization category • according to IEC 60947-4-2 reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output product function short circuit protection product function short-circuit protection design of short-circuit current breaking capacity (Icu)	vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
type of assignment utilization category according to IEC 60947-4-2 AC-53a: 3 A: (8-0,7: 70-32) reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function olirect start reverse starting No product component motor brake output product function short circuit protection product function short-circuit current breaking capacity (Icu)	operating frequency maximum	1 1/s
utilization category ● according to IEC 60947-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight D.554 kg product function ● direct start ● reverse starting Product component motor brake output Product function short circuit protection product function short-circuit current breaking capacity (Icu)		30 000 000
according to IEC 60947-4-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function direct start reverse starting No product component motor brake output No product function short circuit protection yes design of short-circuit current breaking capacity (Icu)	type of assignment	1
reference code according to IEC 81346-2 Substance Prohibitance (Date) O4/15/2016 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting product component motor brake output product function short circuit protection design of short-circuit current breaking capacity (Icu)	utilization category	
Substance Prohibitance (Date) O4/15/2016 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight O.554 kg product function otirect start reverse starting No product component motor brake output product function short circuit protection design of short-circuit current breaking capacity (Icu)	according to IEC 60947-4-2	AC-53a: 3 A: (8-0,7: 70-32)
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 0.554 kg product function olirect start reverse starting No product component motor brake output product function short circuit protection design of short-circuit current breaking capacity (lcu)	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 Weight product function • direct start • reverse starting No product component motor brake output product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	Substance Prohibitance (Date)	04/15/2016
product function • direct start • reverse starting Product component motor brake output product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	SVHC substance name	
direct start Yes reverse starting No product component motor brake output No product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) Yes fuse	Weight	0.554 kg
● reverse starting product component motor brake output No product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	product function	
product component motor brake output No product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	direct start	Yes
product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	reverse starting	No
product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu)	product component motor brake output	No
design of short-circuit protection fuse maximum short-circuit current breaking capacity (Icu)		Yes
maximum short-circuit current breaking capacity (Icu)	<u> </u>	fuse
• at 400 V rated value 55 kA		
	at 400 V rated value	55 kA

• at 500 V rated value	55 kA
at 500 V according to UL 60947 rated value	100 kA
maximum short-circuit current breaking capacity (Icu) in the IT network	
at 400 V rated value	55 kA
at 500 V rated value	55 kA
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	class A
	Class A
EMC immunity according to IEC 60947-1	Class A
conducted interference	0.137
• due to burst according to IEC 61000-4-4	3 kV
 due to conductor-earth surge according to IEC 61000-4-5 	4 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	2 kV
 due to high-frequency radiation according to IEC 61000- 4-6 	Class A
field-based interference according to IEC 61000-4-3	20 V/m
electrostatic discharge according to IEC 61000-4-2	8 kV air discharge
conducted HF interference emissions according to	Class A for industrial environment
CISPR11	
field-bound HF interference emission according to CISPR11	Class A for industrial environment
Safety related data	
product function suitable for safety function	Yes
suitability for use	
 safety-related switching on 	No
safety-related switching OFF	Yes
safe state	Load circuit open
test wear-related service life necessary	Yes
function test interval maximum	0.083 a
diagnostics test interval by internal test function maximum	600 s
stop category according to IEC 60204-1	0
proportion of dangerous failures with high demand rate according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	1 000 000
IEC 62061	
Safety Integrity Level (SIL) according to IEC 62061	SIL 3
ISO 13849	
performance level (PL) according to ISO 13849-1	PL e
category according to ISO 13849-1	4
device type according to ISO 13849-1	1
overdimensioning according to ISO 13849-2 necessary	No
IEC 61508	
Safety Integrity Level (SIL) according to IEC 61508	SIL 3
safety device type according to IEC 61508-2	Type B
	6E-9 1/h
PFH according to IEC 61508 relating to SIL	
PFDavg with low demand rate according to IEC 61508	8E-7
Safe failure fraction (SFF)	99.5 %
hardware fault tolerance according to IEC 61508	1
T1 value	
of service life according to IEC 61508 Electrical Safety	20 a
Electrical Safety	Financial Control of C
touch protection against electrical shock	finger-safe
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
ATEX	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1
hardware fault tolerance according to IEC 61508 relating to ATEX	1
Main circuit	
number of poles for main current circuit	3
design of the switching contact	Hybrid
adjustable current response value current of the current-	0.9 3 A

dependent overload release	
minimum load [%]	50 %; from smallest adjustable rated current
type of the motor protection	solid-state
operating voltage rated value	48 500 V
relative symmetrical tolerance of the operating voltage	10 %
operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative symmetrical tolerance of the operating frequency	5 %
relative positive tolerance of the operating frequency	5 %
relative negative tolerance of the operating frequency	5 %
operational current at AC at 400 V rated value	3 A
ampacity when starting maximum	30 A
operating power for 3-phase motors at 400 V at 50 Hz	0.37 1.1 kW
Inputs/ Outputs	
number of digital inputs	5
• note	4 via 3DI/LC module
safety-related	1
type of input characteristic	Type 1 in accordance with EN 61131-2
input voltage at digital input	
at DC rated value	24 V
with signal <0> at DC	0 5 V
• for signal <1> at DC	15 30
input current at digital input for signal <1> typical	0 A
Supply voltage	
type of voltage of the supply voltage	DC
supply voltage 1 at DC rated value	
minimum permissible	20.4 V
maximum permissible	28.8 V
supply voltage at DC rated value	24 V
consumed current for rated value of supply voltage	
 in standby mode of operation 	50 mA
during operation	50 mA
at switching on of motor	140 mA
power loss [W] for rated value of supply voltage	
 in switching state OFF with bypass circuit 	1.2 W
 in switching state ON with bypass circuit 	3.4 W
inrush current peak at 24 V	25 A; Observe the manual for group configuration
	, , , , , , , , , , , , , , , , , , , ,
·	0.14 ms
duration of inrush current peak at 24 V	0.14 ms
duration of inrush current peak at 24 V Response times	
duration of inrush current peak at 24 V Response times ON-delay time	35 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time	
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request	35 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum	35 ms 35 50 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum	35 ms 35 50 ms 55 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics	35 ms 35 50 ms 55 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current	35 ms 35 50 ms 55 ms 120 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value	35 ms 35 50 ms 55 ms 120 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	35 ms 35 50 ms 55 ms 120 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value	35 ms 35 50 ms 55 ms 120 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value	35 ms 35 50 ms 55 ms 120 ms
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating)
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value Installation/ mounting/ dimensions mounting position fastening method height	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • upwards	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm
duration of inrush current peak at 24 V Response times ON-delay time OFF-delay time OFF-delay time with safety-related request • when switched off via control inputs maximum • when switched off via supply voltage maximum Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	35 ms 35 50 ms 55 ms 120 ms 3 A 3 A 3 A 3 A 3 A Vertical, horizontal (observe derating) pluggable in BaseUnit 142 mm 30 mm 150 mm

installation altitude at height above sea level maximum	4 000 m; For derating see manual
ambient temperature	4 000 m, 1 of defaulty 500 manual
during operation	-25 +60 °C; For derating see manual
during storage	-40 +70 °C
during storage during transport	-40 +70 °C
environmental category during operation according to IEC 60721	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices)
relative humidity during operation	10 95 %
air pressure according to SN 31205	900 1 060 hPa
Communication/ Protocol	500 III 1 500 III U
protocol is supported	
PROFIBUS DP protocol	Yes
PROFINET protocol	Yes
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function	NO
supports PROFlenergy measured values	Yes
supports PROFlenergy shutdown	Yes
address space memory of address range	165
	4 huto
of the outputs	4 byte
of the outputs type of electrical connection of the communication interface.	2 byte
type of electrical connection of the communication interface Connections/ Terminals	Plug contact to Base Unit
type of electrical connection	8
1 for digital input signals	Pluggable module - accessory
2 for digital input signals	Plug contact to Base Unit
type of electrical connection	
for main energy infeed	Plug contact to Base Unit
 for load-side outgoing feeder 	Plug contact to Base Unit
for supply voltage line-side	Plug contact to Base Unit
wire length for motor unshielded maximum	200 m
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor at 480 V rated value	3 A
current with locked rotor (LRA) for 3-phase AC motor at 480 V rated value	24 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.1 hp
— at 230 V rated value	0.25 hp
• for 3-phase AC motor	
— at 200/208 V rated value	0.5 hp
— at 220/230 V rated value	0.5 hp
— at 460/480 V rated value	1.5 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V
Approvals Certificates	

General Product Approval







Confirmation





EMV For use in hazardous locations

Functional Saftey

Test Certificates

Marine / Shipping



<u>KC</u>



Type Examination Certificate Type Test Certificates/Test Report









Confirmation

Transport Information

Environmental Con-<u>firmations</u>

Industrial Communication



Profibus

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

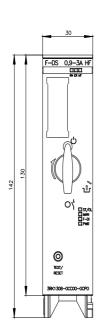
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1308-0CC00-0CP0

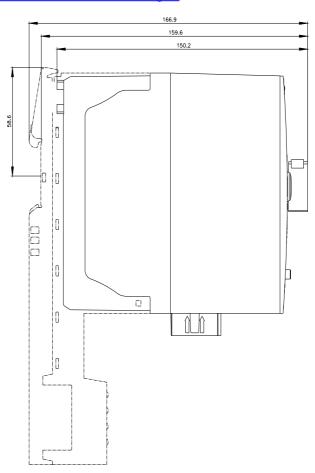
Cax online generator

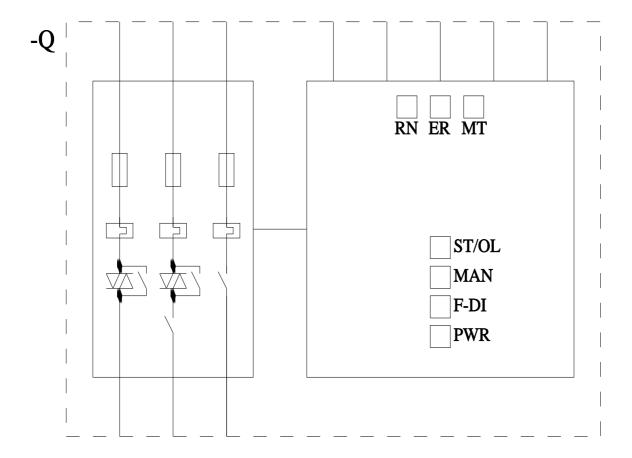
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1308-0CC00-0CP0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RK1308-0CC00-0CP0&lang=en







last modified: 12/20/2024 🖸